Cell Tissue Kinet. (1987), **20**, 647–652.

Author Index

Volume 20

ABRAHAM, S.R., *see* Owen-Schaub, L.B.
ADAM, F.K.A., *see* Villiers, C.L.
AHMAD, N. & RUCH, J.V. Comparison of growth and cell proliferation kinetics during mouse molar odontogenesis *in vivo* and *in vitro* 319
ALLISON, D.C., CHAKERIAN, M., RIDOLPHO, P.F., ANDERSON, S., CURLEY, S., WILDER, M.E. & ROBERTSON, J. Combined flow and absorption DNA measurement of [^{3}H]TdR-labelled tumour cells. I. Studies of MCa-11 cells grown as tumours *in vivo* and as exponential cultures *in vitro* 273
ANDERSON, S., *see* Allison, D.C.
ANDERSSON, L., *see* Naito, K.
APPLETON, D.R., *see* Finney, K.J.

BAISCH, H. & GERDES, J. Simultaneous staining of exponentially growing versus plateau phase cells with the proliferation-associated antibody Ki-67 and propidium iodide: analysis by flow cytometry 387
BARBASON, H., HERENS, CH., MORMONT, M.-C. & BOUZAHZAH, B. Circadian synchronization of hepatocyte proliferation in young rats: the role played by adrenal hormones 57
BASSUKAS, I.D. & MAURER-SCHULTZE, B. A modification of the grain count halving method for detailed analysis of cell kinetic parameters 527
BAUER, F.W., *see* Boezemann, J.B.M.
BENESTAD, H.B., SAXHOLM, H.J.K. & SIEBKE, E.M. A new *in vitro* assay for cell motility and proliferation 109
BESSON, M.T., CORDIER, G., QUENNEDEY, B., QUENNEDEY, A. & DELACHAMBRE, J. Variability of ecdysteroid-induced cell cycle alterations in *Drosophila* Kc sublines 413
BLACKETT, N.M. Haemopoietic spleen colony growth: a verstile, parsimonious, predictive model 393
BLIVEN, S.F., SCHNEIDERMAN, T.E. & LEITH, J.T. Cell cycle responses of heterogeneous human colon adenocarcinoma subpopulations to X-irradiation 473
BOEZEMANN, J.B.M., BAUER, F.W. & DE GROOD, R.M. Flow cytometric analysis of the recruitment of G_0 cells in human epidermis following tape stripping 99
BOUZAHZAH, B., *see* Barbason, H.
BRONS, N.H.C., *see* Ploemacher, R.E.
BROWN, D., *see* Villiers, C.L.
BURK, R.R., *see* Pitts, J.D.

CASTELL, J.V., *see* Gómez-Lechón, J.
CHABY, R., *see* Girard, R.
CHAILAKHYAN, R.K., *see* Friedenstein, A.J.
CHAKERIAN, M., *see* Allison, D.C.
CIOTTO, R., *see* Ucci, G.

CORDIER, G., *see* Besson, M.T.
COSTA, A., SILVESTRINI, R., DEL BINO, G. & MOTTA, R. Implications of disaggregation procedures on biological representation of human solid tumours 171
COWAN, R. & MORRIS, V.B. Determination of proliferative parameters from growth curves 153
CRISSMAN, H.A., *see* Tobey, R.A.
CURLEY, S., *see* Allison, D.C.

DANOVA, M., *see* Ucci, G.
DARZYNKIEWICZ, Z., *see* Tobey, R.A.
DEBAULT, L.E., *see* Owen-Schaub, L.B.
DE GROOD, R.M., *see* Boezemann, J.B.M.
DELACHAMBRE, J., *see* Besson, M.T.
DEL BINO, G., *see* Costa, A.
DE MAERTELAER, V., *see* Heenen, M.
DEWEY, D.L. Cycle reset in a melanoma cell line caused by cooling 603
DÖRMER, P., *see* Ucci, G.
DUFFY, A.E., *see* McNicol, A.M.

EASTON, D.M. & SCHNEIDERMAN, M.H. Prediction of X-ray induced mitotic delay and recovery of G_2 cell 379
EL-ALFY, M. & LEBLOND, C.P. Long duration of mitosis and consequences for the cell cycle concept, as seen in the isthmal cells of the mouse pyloric antrum. I. Identification of early and late steps of mitosis 205
EL-ALFY, M. & LEBLOND, C.P. Long duration of mitosis and consequences for the cell cycle concept, as seen in the isthmal cells of the mouse pyloric antrum. II. Duration of mitotic phases and cycle stages, and their relation to one another 215

FADDY, M.J., TELFER, E. & GOSDEN, R.G. The kinetics of pre-antral follicle development in ovaries of CBA/Ca mice during the first 14 weeks of life 551
FIBACH, E. Analysis of the growth kinetics of murine erythroleukaemia cells following commitment to terminal differentiation 617
FINNEY, K.J., INCE, P., APPLETON, D.R., SUNTER, J.P. & WATSON, A.J. A trophic effect of epidermal growth factor (EGF) on rat colonic mucosa in organ culture 43
FISKER, A.V., *see* Østergaard, E.
FRIEDENSTEIN, A.J., CHAILAKHYAN, R.K. & GERASIMOV, U.V. Bone marrow osteogenic stem cells: *in vitro* cultivation and transplantation in diffusion chambers 263
FUJIKAWA-YAMAMOTO, K., ODASHIMA, S., KURIHARA, T. & MURAKAMI, F. DNA synthesis in Bloom's syndrome fibroblasts 69

GALAND, P., *see* Heenen, M.
GERASIMOV, U.V., *see* Friedenstein, A.J.
GERDES, J., *see* Baisch, H.
GIRARD, R., METEZEAU, P. & CHABY, R. Repopulation of spleens of irradiated mice after injection of spleen cell subpopulations 77

GIRINO, M., *see* Ucci, G.
GLICKSMAN, A.S., *see* Michelson, S.
GÓMEZ-LECHÓN, J. & CASTELL, J.V. Evidence for arrested G_2 cell subpopulation in rat liver inducible to mitosis 583
GONG, J.K., *see* Ries, W.L.
GOSDEN, R.G., *see* Faddy, M.J.
GUNSOLLEY, J.C., *see* Ries, W.L.

HAAR, J.L., MCLEAN GROGAN, W., POPP, J.D. & TAUBENBERGER, J.K. Chemoattraction enrichment of Thymus-homing bone marrow cells 227
HEENEN, M., GALAND, P., DE MAERTELAER, V. & HEENEN, P.H. Psoriasis: hyperproliferation cannot induce characteristic epidermal morphology 561
HEENEN, P.H., *see* Heenen, M.
HEMINGWAY, L., *see* Owen-Schaub, L.B.
HEMSTREET, G.P. III, *see* Owen-Schaub, L.B.
HERENS, CH., *see* Barbason, H.
HISAZUMI, H., *see* Naito, K.
HOPEWELL, J.W., *see* Morris, G.M.
HOSHINO, T., *see* Zhang, R.X.
HUGHES-JONES, N.C., *see* Villiers, C.L.

INCE, P., *see* Finney, K.J.

JOHNSON, N.W., *see* Ranasinghe, A.W.
JOSEPHSON, S., *see* Slosberg, E.A.

KARRING, T., *see* Østergaard, E.
KEMBER, N.F. & KIRKWOOD, J.K. Cell kinetics and longitudinal bone growth in birds 625
KIRIKAE, T., YOSHIDA, M., SAWADA, H., TEZUKA, H., KITAMURA, Y. & MORI, K.J. Maintenance of granulopoiesis in long-term bone marrow cultures from W/W^v mice and effects of lipopolysaccharide on granulopoiesis in culture 89
KIRKWOOD, J.K., *see* Kember, N.F.
KITAMURA, Y., *see* Kirikae, T.
KOSLOV, V.A., ORLOVSKAYA, I.A. & TSYRLOVA, I.G. The effect of haemopoietic stem cell proliferation on the humoral immune response in mice 485
KURIHARA, T., *see* Fujikawa-Yamamoto, K.

LACIS, R.V., *see* Tjurmin, A.V.
LEBLOND, C.P., *see* El-Alfy, M.
LEITH, J.T., *see* Bliven, S.F.
LEITH, J.T., *see* Michelson, S.
LEWIS, A.A., *see* Wilson, G.D.
LÖFFLER, M., WENZEL, A. & SCHNEIDER, F. Cytokinetic studies on the switch from glucose to uridine metabolism, and vice versa, of Ehrlich ascites tumour cells *in vitro* 181
LOMBARD, M.-N., NADAL, C. & MONNOT, M.-J. *In vitro* effect of glycopeptide acting *in vivo* on hepatocyte cell cycle 493

LORIMORE, S.A., *see* Wright, E.G.
LORIMORE, S.A. & WRIGHT, E.G. Stem cell maintenance and commitment to differentiation in long-term cultures of murine marrow obtained from different spatial locations in the femur 427
LUND, E.K. & SMITH, M.W. Effect of graft versus host reaction on cell cycle time in neonatal mouse jejunum 369
LUONI, R., *see* Ucci, G.

MAIBACH, H.I., *see* Potten, C.S.
MAURER-SCHULTZE, B., *see* Bassukas, I.D.
MCLEAN GROGAN, W., *see* Haar, J.L.
MCNICOL, A.M. & DUFFY, A.E. A study of cell migration in the adrenal cortex of the rat using bromodeoxyuridine 519
METEZEAU, P., *see* Giarard, R.
MICHELSON, S., GLICKSMAN, A.S. & LEITH, J.T. Growth in solid heterogeneous human colon adenocarcinomas: comparison of simple logistical methods 343
MICHELSON, S., LEITH, J.T. & GLICKSMAN, A.S. A technique to analyse the emerging zonality of heterogeneous solid tumours 499
MILLER, K. Proliferation kinetics of human B- and T-lymphocytes 611
MILLER, N., *see* Villiers, C.L.
MONNOT, M.-J., *see* Lombard, M.-N.
MONTECUCCO, C.M., *see* Ucci, G.
MORI, K.J., *see* Kirikae, T.
MORMONT, M.-C., *see* Barbason, H.
MORRIS, G.M. & HOPEWELL, J.W. Cell population kinetics in pig epidermis: further studies 161
MORRIS, V.B., *see* Cowan, R.
MOTTA, R., *see* Costa, A.
MURAKAMI, F., *see* Fujikawa-Yamamoto, K.

NADAL, C. Inhibition of hepatocyte proliferation *in vivo* by a glycopeptide from rat serum 331
NADAL, C., *see* Lombard, M.-N.
NAGASHIMA, T., *see* Zhang, R.X.
NAITO, K., SKOG, S., TRIBUTAIT, B., ANDERSSON, L. & HISAZUMI, H. Cell cycle related [^{3}H] thymidine uptake and its significance for the incorporation into DNA 447
NIESSEN, D.P.P., *see* Rutgers, D.H.

ODASHIMA, S., *see* Fujikawa-Yamamoto, K.
ORLOVSKAYA, I.A., *see* Koslov, V.A.
ØSTERGAARD, E., FISKER, A.V. & KARRING, T. The effect of prolonged stress-inducing electrical stimulation of cell proliferation in rat palatal epithelium 233
OWEN-SCHAUB, L.B., HEMSTREET, G.P. III, HEMINGWAY, L., ABRAHAM, S.R. & DEBAULT, L.E. Population dynamics of the murine lymphokine activated killer system: precursor frequency and kinetics of maturation and renewal 591

PARROTT, D.M.V., *see* Speekenbrink, A.B.J.
PITTS, J.D. & BURK, R.R. Mechanism of inhibition of junctional communication between animal cells by phorbol ester 145

PLOEMACHER, R.E. & BRONS, N.H.C. Role of splenic stroma in the action of bacterial lipopolysaccharides on radiation mortality: a study in mice carrying the Sl^{J} allele 29
POPP, J.D., *see* Haar, J.L.
POTTEN, C.S., SAFFHILL, R. & MAIBACH, H.I. Measurement of the transit time for cells through the epidermis and stratum corneum of the mouse and guinea-pig 461
PRINTSEVA, O.YU., *see* Tjurmin, A.V.

QUENNEDEY, A., *see* Besson, M.T.
QUENNEDEY, B., *see* Besson, M.T.

RANASINGHE, A.W., JOHNSON, N.W. & SCRAGG, M.A. Iron deficiency depresses cell proliferation in hamster cheek pouch epithelium 403
RICCARDI, A., *see* Ucci, G.
RIDOLPHO, P.F., *see* Allison, D.C.
RIES, W.L., GONG, J.K. & GUNSOLLEY, J.C. The distribution and kinetics of nuclei in rat osteoclasts 1
ROBERTSON, J., *see* Allison, D.C.
ROSSOTTI, A., *see* Ubezio, P.
RUCH, J.V., *see* Ahmad, N.
RUTGERS, D.H., NIESSEN, D.P.P. & VAN DER LINDEN, P.M. Cell kinetics of hypoxic cells in a murine tumour *in vivo*: flow cytometric determination of the radiation-induced blockage of cell cycle progression 37

SAFFHILL, R., *see* Potten, C.S.
SAWADA, H., *see* Kirikae, T.
SAXHOLM, H.J.K., *see* Benestad, H.B.
SCHER, B.M., *see* Slosberg, E.A.
SCHER, W., *see* Slosberg, E.A.
SCHNEIDER, F., *see* Löffler, M.
SCHNEIDERMAN, M.H., *see* Easton, D.M.
SCHNEIDERMAN, T.E., *see* Bliven, S.F.
SCRAGG, M.A., *see* Ranasinghe, A.W.
SIEBKE, E.M., *see* Benestad, H.B.
SILVESTRINI, R., *see* Costa, A.
SKOG, S., *see* Naito, K.
SLOSBERG, E.A., SCHER, B.M., SCHER, W., JOSEPHSON, S. & WAXMAN, S. Induction of differentiation in mouse erythroleukaemia cells by the action of papain at the cell surface 571
SMITH, M.W., *see* Lund, E.K.
SORANSON, J.A., *see* Wilson, G.D.
SPEEKENBRINK, A.B.J. & PARROTT, D.M.V. Modulation of *in vitro* thymidine incorporation into crypt cells from the murine small intestine 135
SUNTER, J.P., *see* Finney, K.J.

TAUBENBERGER, J.K., *see* Haar, J.L.
TELFER, E., *see* Faddy, M.J.
TEZUKA, H., *see* Kirikae, T.

TJURMIN, A.V., LACIS, R.V. & PRINTSEVA, O.YU. Proliferation kinetics of aortic smooth muscle cell populations: comparison of normotensive and spontaneously hypertensive rats 15

TOBEY, R.A., CRISSMAN, H.A., WILDER, M.E., TRAGANOS, F. & DARZYNKIEWICZ, Z. Sensitivity to X-irradiation in relation to cell size of CHO cells synchronized in early G_1 363

TRAGANOS, F., *see* Tobey, R.A.

TRIBUKAIT, B., *see* Naito, K.

TSYRLOVA, I.G., *see* Koslov, V.A.

TYAZHELOVA, V.G. Regulation of recovery in the erythyroid lineage: model studies 435

TYAZHELOVA, V.G. Oscillations in blood cells as a consequence of suppressed bone marrow cell production 539

UBEZIO, P. & ROSSOTTI, A. Sensitivity of flow cytometric data to variations in cell cycle parameters 507

UCCI, G., RICCARDI, A., DÖRMER, P., DANOVA, M., LUONI, R., MONTECUCCO, C.M., CIOTTO, R. & GIRINO, M. Proliferation kinetics of plasma cells and of normal haemopoietic cells in multiple myeloma 311

VAN DER LINDEN, P.M., *see* Rutgers, D.H.

VILLIERS, C.L., ADAM, F.K.A., MILLER, N., BROWN, D. & HUGHES-JONES, N.C. Prolongation of cell cycle transit time and the presence of non-cycling cells in human lymphoblastoid cells cultured under adverse conditions 291

WATSON, A.J., *see* Finney, K.J.

WAXMAN, S., *see* Slosberg, E.A.

WENZEL, A., *see* Löffler, M.

WILDER, M.E., *see* Allison, D.C.

WILDER, M.E., *see* Tobey, R.A.

WILSON, G.D., SORANSON, J.A. & LEWIS, A.A. Cell kinetics of mouse kidney using bromodeoxyuridine incorporation and flow cytometry: preparation and staining 125

WRIGHT, E.G. & LORIMORE, S.A. The production of factors regulating the proliferation of haemopoietic spleen colony-forming cells by bone marrow macrophages 191

WRIGHT, E.G. & LORIMORE, S.A. Haemopoietic stem cell proliferation in the bone marrow of Sl/Sl^d mice 301

WRIGHT, E.G., *see* Lorimore, S.A.

YOSHIDA, M., *see* Kirikae, T.

ZHANG, R.X., NAGASHIMA, T. & HOSHINO, Y. Cytotoxic effect of sister chromatid exchange in exponentially growing rat 9L gliosarcoma cells after brief exposure to BrdU 357